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ITD COPELAND SITE

NWC OF HWY 95 AND HWY 1 BOUNDARY COUNTY, IDAHO

GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO THE STATE OF IDAHO DIVISION OF BUILDING SAFETY, AND THE IDAHO TRANSPORTATION DEPARTMENT (ITD) STANDARD DRAWINGS AND SPECIFICATIONS. IN THE CASE OF CONFLICT, THE MOST STRINGENT STANDARD SHALL APPLY.

2. NO REVISIONS SHALL BE MADE TO THESE DRAWINGS WITHOUT THE APPROVAL OF THE OWNER, ARCHITECT, AND CIVIL ENGINEER. ALL PROPOSED REVISIONS SHALL BE SUBMITTED TO ARCHITECT AND CIVIL ENGINEER.

3. NO REVISIONS SHALL BE MADE TO THE ITD STANDARD DRAWINGS OR NOTES WITHOUT WRITTEN APPROVAL OF THE ITD ENGINEER. REVISIONS OF ITD STANDARD DRAWINGS SHALL BE CLEARLY IDENTIFIED UPON THE APPROVED DRAWINGS; REVISIONS OR ADDITIONS TO STANDARD NOTES SHALL BE PROVIDED ONLY WITHIN THE SUPPLEMENTAL NOTES.

4. ALL SAFETY STANDARDS AND REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COMPLIED WITH AS SET

5. EXISTING UTILITIES SHALL BE LOCATED BY CONTACTING CALL BEFORE YOU DIG AT 811, AT LEAST 48 HOURS PRIOR TO STARTING ANY EXCAVATIONS. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANIES PRIOR TO STARTING WORK NEAR ANY FACILITIES AND SHALL COORDINATE THEIR WORK WITH COMPANY REPRESENTATIVES.

6. WORK SHALL NOT BEGIN UNTIL A PERMIT AND NOTICE TO PROCEED IS ISSUED BY ITD.

7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AT LEAST 48 HOURS PRIOR TO STARTING WORK OR PROCEEDING WITH NEW PHASES OF CONSTRUCTION. ALL INSPECTIONS SHALL BE SCHEDULED WITH A MINIMUM 24-HOUR NOTICE PRIOR TO TESTING.

8. AN APPROVED SET OF IMPROVEMENT PLANS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.

9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS, AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USEABLE CONDITION. ALL SOIL, ROCK, OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION, AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY; PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USEABLE CONDITION.

10. EXISTING PROPERTY CORNERS OR SURVEY MONUMENTS SHALL BE PROTECTED DURING THE COURSE OF CONSTRUCTION. ANY DAMAGED OR OBLITERATED CORNERS OR MONUMENTS SHALL BE RE-ESTABLISHED BY PROFESSIONAL SURVEYORS, LICENSED TO WORK IN THE STATE OF IDAHO, PRIOR TO FINAL ACCEPTANCE.

11. TREES NOT IDENTIFIED FOR REMOVAL SHALL BE PRESERVED OR PROTECTED IN AN APPROVED MANOR PRIOR TO COMMENCEMENT

12. THE ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION, AND AS NECESSARY DURING THE COURSE OF THE PROJECT. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS, AND THE "CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES FOR IDAHO CITIES AND COUNTIES" AS PREPARED BY THE IDAHO DIVISION OF ENVIRONMENTAL QUALITY.

13. ALL PROJECTS HAVING THE POTENTIAL FOR RUNOFF DISCHARGE TO ANY SURFACE WATER BODY; SHALL FILE A NOTICE OF INTENT (NOI), WITH THE EPA. COPIES OF ANY REQUIRED STORM WATER POLLUTION PREVENTION PLANS (SWPPP) OR NOI SHALL BE PROVIDED TO THE ITD PRIOR TO START OF CONSTRUCTION.

14. ALL CONCRETE, UNLESS OTHERWISE SPECIFIED, SHALL BE COMMERCIAL GRADE PORTLAND CEMENT WITH AIR ENTRAINMENT (6.5% ±1.5%), AND A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI.

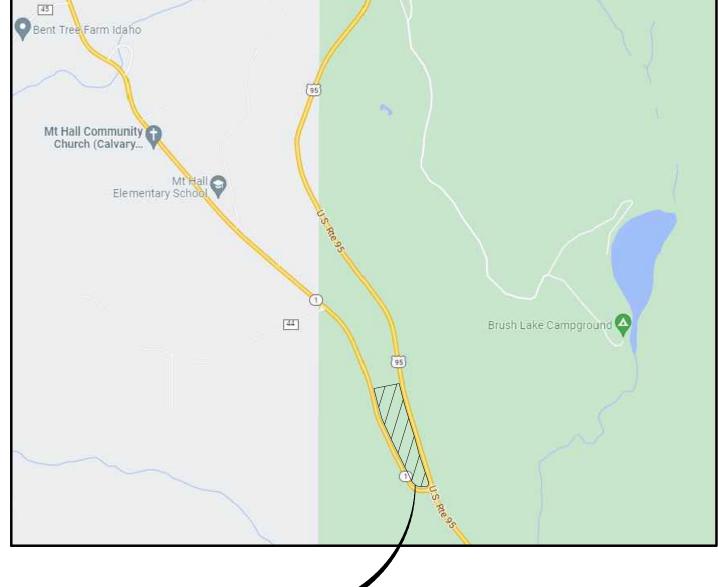
15. ALL UNDERGROUND UTILITY LATERALS SHALL BE INSTALLED AND APPROVED BEFORE CONSTRUCTION OF CURBS, CROSS GUTTERS, SIDEWALKS OR THE SURFACING OF STREETS.

16. ALL TRENCHES AND ROADWAY CUTS WITHIN PUBLIC EASEMENTS OR RIGHTS-OF-WAY SHALL BE COMPACTED IN ACCORDANCE WITH ISPWC. COMPACTION TEST RESULTS SHALL BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO ANY PAVING AND FINAL ACCEPTANCE OF WORK.

17. ALL OPERATIONS CONDUCTED ON THE PREMISES SHALL BE RESTRICTED TO THE HOURS BETWEEN 6:00 A.M. AND 10:00 P.M., UNLESS OTHERWISE APPROVED BY ITD. THIS INCLUDES THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT OR ANY OTHER ASSOCIATED EQUIPMENT

18. ALL IMPROVEMENTS SHALL BE JOINED OR MATCHED IN A MANNER SATISFACTORY TO THE OWNER. THIS INCLUDES ALL UTILITY CONNECTIONS AND NECESSARY SAW CUTTING, REMOVAL, REPLACEMENT, EXTENSION, AND CAPPING ASSOCIATED WITH CURB AND GUTTER, SIDEWALKS, SWALES, ASPHALT, CONCRETE OR OTHER PAVING.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, IN ACCORDANCE WITH THE M.U.T.C.D., CURRENT EDITION. AT LEAST 48 HOURS PRIOR TO DISRUPTION OF ANY TRAFFIC. TRAFFIC CONTROL PLANS SHALL BE PREPARED AND SUBMITTED TO THE OWNER FOR APPROVAL. NO WORK SHALL COMMENCE UNTIL A PERMIT IS ISSUED AND ALL APPROVED TRAFFIC CONTROL IS IN PLACE.



PROJECT LOCATION: NWC OF HWY 95 AND HWY 1 VICINITY MAP



PROJECT TEAM:

ARCHITECT: IDAHO TRANSPORTATION DEPARTMENT 3293 JORDAN ST.

BOISE, IDAHO 83703 CONTACT: TBD PHONE: (208) 772-1200 MILLER STAUFFER ARCHITECTS 601 E. FRONT AVENUE SUITE 201 COEUR D'ALENE, IDAHO 83814 CONTACT: MIKE WALKER PHONE: (208) 664-1773

CONTRACTOR:

PHONE: (208) 263-5141

CIVIL ENGINEER: DCI ENGINEERS 707 W. 2ND AVENUE SPOKANE, WASHINGTON 99201 CONTACT: MATT GIBB P.E. PHONE: (509) 227-5721

UTILITY PURVEYORS:

POWER: NORTHERN LIGHTS INC. 421 CHEVY STREET SAGLE, IDAHO 83860

BONNERS FERRY FIRE DEPARTMENT 7137 1ST STREET BONNERS FERRY, IDAHO 83805 CONTACT: TBD CONTACT: PATRICK WARKENTIN

PHONE: (208) 267-4390

SHEET INDEX	
SHEET #	SHEET TITLE
C0.0	GENERAL CIVIL INFORMATION
C0.1	GENERAL NOTES
C1.0	EXISTING SITE CONDITIONS
C1.1	EROSION CONTROL PLAN
C1.2	CIVIL SITE PLAN
C5.0	DETAILS

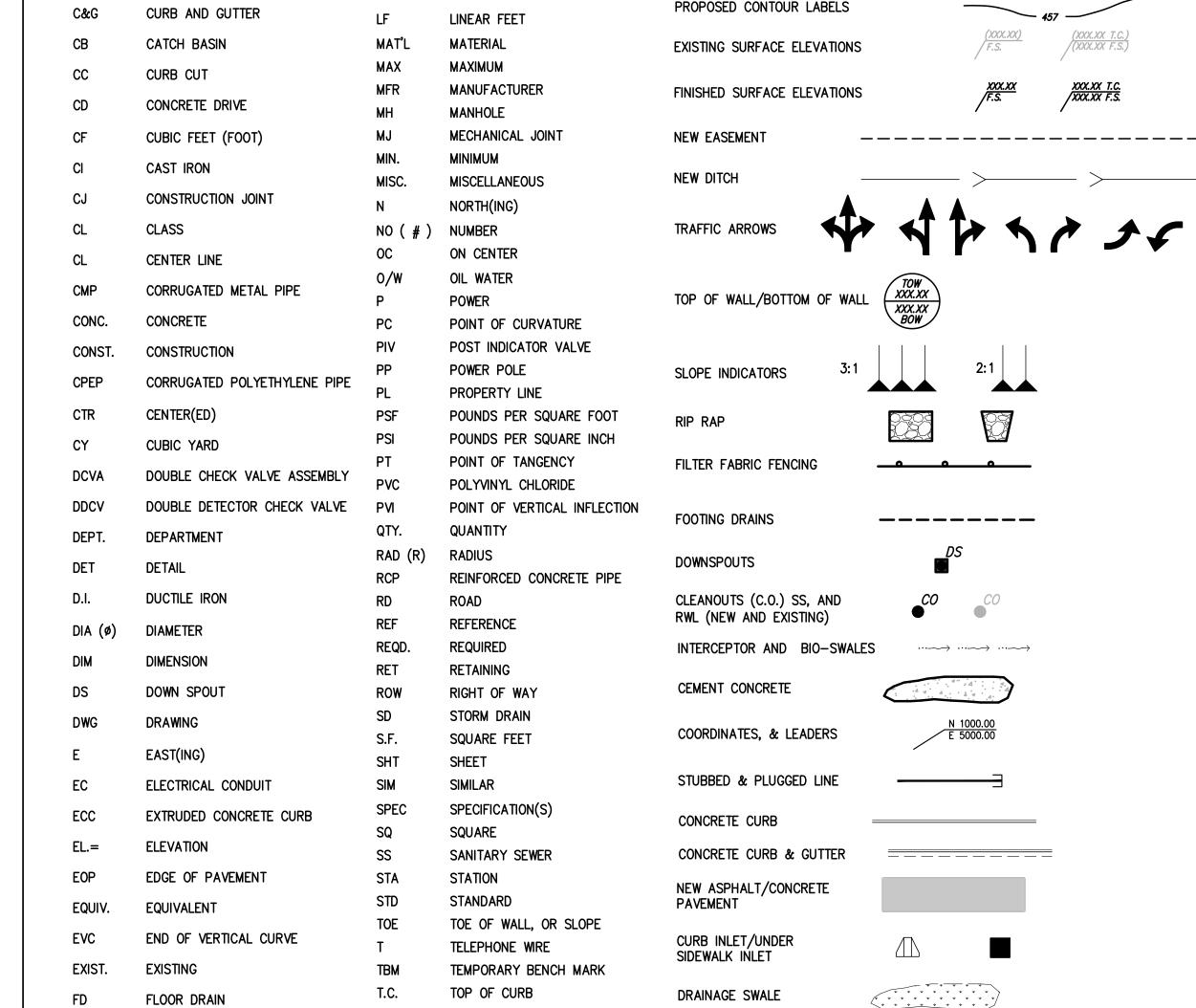
FOR BID (NOT FOR CONSTRUCTION)

THESE DRAWINGS HAVE BEEN RELEASED AT THE REQUEST OF THE CLIENT FOR THE PURPOSE OF BIDDING. THESE DRAWINGS ARE NOT INTENDED FOR PURPOSES OF OBTAINING A PERMIT OR CONSTRUCTION.

CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.





TG OR RIM TOP OF GRATE

TEMPORARY

TOP OF SLOPE

TOP OF WALL

TYPICAL

VERTICAL

WEIGHT

VERT (V)

TELEVISION WIRE

VERTICAL CURVE

WATER METER

YARD DRAIN

WELDED WIRE FABRIC

ABBREVIATIONS

ADDITIONAL

AREA DRAIN

ADJACENT

AMERICAN NATIONAL STANDARDS INSTITUTE

APPROXIMATE(LY)

ARCHITECT(URAL)

ASSEMBL'

BENCHMARK

BOTTOM OF WALL

(AT FINISHED GRADE)

BEGINNING OF VERTICAL CURVE

FIRE DEPARTMENT CONNECTION

FINISH FLOOR ELEVATION

FOUNDATION

FIRE HYDRANT

FACE OF CURB

FINISHED SURFACE

FLANGED

BOUNDARY

CABLE TV

ASPHALT CONCRETE PAVEMENT

FT (') FOOT (FEET)

GRADE BREAK

HORIZONTAL

HEIGHT

HYDRANT

INCH(ES)

INVERT

POUND(S)

INSIDE DIAMETER

INVERT ELEVATION

IRRIGATION WATER

LINED CORRUGATED

POLYETHYLENE PIPE

HIGH DENSITY POLYETHYLENE

LEGEND

STORM MANHOLE

WATER MAINS

WATER METERS

WATER VALVES

SANITARY SEWER PIPE

NEW & EXISTING CATCH BASINS

NEW & EXISTING DRYWELLS

SANITARY SEWER MANHOLE

FITTINGS WITH THRUST BLOCKS

EXISTING CONTOUR LABELS

RETAINING WALL

ROCK CHECK DAM

STRAW BALE

SURFACE WTR AND PIPE DIRECTION FLOW

FIRE HYDRANTS (NEW AND EXISTING) AND FDC

ODW

22.5° 11.25°

XXX.XX T.C. /XXX.XX F.S.

STORM PIPE

(7)

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GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. AN EROSION AND SEDIMENTATION CONTROL (ESC) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE ESC PLAN, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE ESC FACILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY ITD, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY THE ITD, WHICHEVER IS LATER.

2. APPROVAL OF THE ESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM WATER, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE ESC PLAN.

3. THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS OF THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF-SITE, OR INTO NEW/EXISTING STORM WATER FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.

4. CONTRACTOR IS RESPONSIBLE FOR INSTALLING A ROCK CONSTRUCTION ENTRANCE AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE TO PREVENT SEDIMENTS FROM BEING TRACKED OFF THE SITE BY CONSTRUCTION TRAFFIC. SEE DETAIL 1/C5.1.

5. ANY DISTURBED AREAS, EXCEPT FOR POND BOTTOMS AND SLOPES, THAT WILL BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS, SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 60 LBS./ACRE.

6. GRADED POND AREAS, THAT WILL BE LEFT BARE FOR MORE THAN 7 DAYS, SHALL HAVE A MULCH APPLIED AT A RATE OF TWO THOUSAND (2,000) POUNDS PER ACRE. MULCH SHALL BE A VIRGIN WOOD CELLULOSE FIBER SPECIALLY PROCESSED AS A HYDROSEEDING MULCH AND CONTAIN NO GROWTH OR GERMINATION INHIBITING FACTORS. IF POND CONSTRUCTION HAS BEEN COMPLETED. INCLUDING DRAINAGE STRUCTURES, AND HAVE RECEIVED FINAL INSPECTION APPROVAL, THEY SHALL BE SODDED.

7. DUST CONTROL: AN APPROVED METHOD OF DUST CONTROL. MEETING THE REQUIREMENTS OF STATE AND LOCAL REGULATIONS. SHALL BE UTILIZED DURING CONSTRUCTION OF THIS PROJECT.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MATERIALS THAT SPILL ONTO LOCAL STREETS DURING THE TRANSPORTATION OF EQUIPMENT. SHOULD A SPILL OCCUR. THE CONTRACTOR SHALL REMOVE THE MATERIAL BY THE END OF THE WORK DAY. NO MATERIAL SHALL BE ALLOWED TO SET, DRY. OR BE WASHED INTO ADJACENT STORM WATER FACILITIES.

9. GEOTEXTILE FABRIC SHALL BE PLACED ON THE RIMS OF ALL DRYWELLS. CATCH BASINS. AND INLETS UNTIL SUCH TIME AS THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED. DRAINAGE STRUCTURES LOCATED IN PAVEMENT CAN HAVE THE FILTER FABRIC REMOVED ONCE FINAL PAVEMENT HAS BEEN COMPLETED AND CLEANED.

10. THE CONTRACTOR SHALL PROTECT ALL CATCH BASINS, DRYWELLS, AND OTHER STORM WATER STRUCTURES FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC OVER THE METAL FRAME DURING CONSTRUCTION AND KEEPING IT IN PLACE UNTIL THE SITE/STREET HAS BEEN PAVED AND CLEANED.

11. ALL PONDS/SWALES SHALL BE SODDED AND IRRIGATED.

12. CONTRACTOR SHALL INSTALL FILTER FABRIC FENCE AS NEEDED ON-SITE TO PREVENT SEDIMENTS FROM LEAVING THE SITE.

EROSION CONTROL MAINTENANCE NOTES:

1. SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL PRODUCING RUNOFF AND AT LEAST DAILY DURING PROLONGED RAINFALL OF 24 CONTINUOUS HOURS OR 48 HOURS IN ANY

2. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.

3. SEDIMENT MUST BE REMOVED WHEN IT REACHES A HEIGHT OF 6 INCHES UP THE BASE OF THE FILTER FABRIC BARRIER, THE DEPTH OF THE CUTOFF DITCH, OR THE SEDIMENT POND. ALL EROSION CONTROL SHALL BE CHECKED AFTER ANY RAIN STORM.

4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE ESC STRUCTURE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED, AND HYDRO/HAND SEEDED OR

5. ALL TEMPORARY AND PERMANENT ESC PRACTICES SHALL BE MAINTAINED AND PREPARED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

6. ALL TEMPORARY ESC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON-SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL WITHOUT PERMISSION OF THE ENGINEER OR INSPECTOR THAT RESULTS IN CONTAMINATION OF THE DRYWELLS SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO REMEDY. REMEDY MAY ENTAIL DRYWELL CLEANING OR REMOVAL AND RECONSTRUCTION.

7. ROADWAYS ADJACENT TO THE CONSTRUCTION SITE SHALL BE INSPECTED DAILY. CLEANING IS REQUIRED IF SEDIMENT HAS BEEN TRACKED OFF-SITE AND/OR BEYOND THE ROADWAY APPROACH.

8. STREET WASHING IS REQUIRED TO CLEAN SEDIMENT TRACKED OFF-SITE. STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ON-SITE OR OTHERWISE PREVENTED FROM DISCHARGING INTO A STORM SYSTEM. IF NECESSARY, SEDIMENT SHALL BE REMOVED BY SHOVELING OR PICKUP SWEEPING PRIOR TO STREET WASHING.

9. CONSTRUCT STORM WATER CONTROL FACILITIES (STORAGE PONDS, SWALES, ETC.) BEFORE GRADING BEGINS. THESE FACILITIES SHALL BE OPERATIONAL BEFORE THE CONSTRUCTION OF IMPERVIOUS SITE IMPROVEMENTS.

10. STOCKPILE MATERIALS SUCH AS TOPSOIL ON SITE, KEEPING OFF OF ROADWAY AND SIDEWALKS.

11. COVER, CONTAIN, AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON-SITE FROM VANDALISM. USE SECONDARY CONTAINMENT FOR ONSITE FUELING TANKS.

12. CONDUCT MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM REPAIRS, SOLVENT AND DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORM WATER RUNOFF USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CLEAN ALL CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. IF RAINING OVER EQUIPMENT OR VEHICLE, PERFORM EMERGENCY REPAIRS ON SITE USING TEMPORARY PLASTIC BENEATH THE VEHICLE.

13. THE CONTRACTOR IS REQUIRED TO KEEP AN UPDATED COPY OF THE TESC PLAN ON-SITE.

14. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCK AND EQUIPMENT CAN BE WASHED OUT. THIS AREA SHALL NOT BE LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA, TREATMENT AREA, OR FACILITY.

GRADING NOTES:

1. EXCAVATION AND EMBANKMENT SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE ITD STANDARD STANDARD SPECIFICATIONS (CURRENT EDITION). ALL COMPACTION OF SUBGRADES, ROCK, AND ASPHALT SHALL BE IN ACCORDANCE WITH THE ITD STANDARD SPECIFICATIONS (CURRENT EDITION).

2. ALL FINISHED GRADING ELEVATIONS SHALL MATCH EXISTING ELEVATIONS AT THE SITE'S BOUNDARY. EXCEPT AS SHOWN OTHERWISE ON THE GRADING PLAN. WHERE CONFLICTS EXIST, THE CONTRACTOR SHALL NOTIFY THE OWNER TO RESOLVE THE ISSUE PRIOR TO PROCEEDING.

3. NO QUANTITIES HAVE BEEN CALCULATED TO DETERMINE VOLUMES OF EXCAVATION AND EMBANKMENT ON THIS PROJECT. CONTRACTOR SHALL CALCULATE THEIR OWN EARTHWORK QUANTITIES.

4. GRADING: ALL GRADING SHALL BE LIMITED TO THE AREAS IDENTIFIED IN THE GRADING PLAN AND SHALL NOT INFRINGE ON ADJACENT OWNERSHIPS.

5. CUT SLOPES IN SOLID ROCK SHALL NOT EXCEED 1/2:1 (HORIZONTAL: VERTICAL), AND SOIL CUT SLOPES SHALL NOT EXCEED 2:1 (HORIZONTAL: VERTICAL), EXCEPT AS SHOWN OTHERWISE ON THE PLANS.

6. FILL SLOPES ACROSS THE PROPERTY SHOULD BE DESIGNED FOR A MAXIMUM SLOPE OF 2:1 (HORIZONTAL: VERTICAL), EXCEPT AS SHOWN OTHERWISE ON THE PLANS.

7. ALL CURB AND GUTTER, STREET GRADES, SIDEWALK GRADES, AND ANY OTHER VERTICAL AND OR HORIZONTAL ALIGNMENT SHALL BE STAKED BY AN ENGINEERING OR SURVEYING FIRM CAPABLE OF PERFORMING SUCH WORK.

8. FORM AND SUBGRADE INSPECTION BY THE INSPECTOR IS REQUIRED BEFORE POURING THE CONCRETE. TWENTY-FOUR HOURS NOTICE IS REQUIRED FOR FORM INSPECTION.

9. TOP OF CURB (T.C.) IS 0.5' ABOVE ACP OR CCP UNLESS OTHERWISE NOTED.

10. RIM ELEVATIONS OF UTILITY AND DRAINAGE STRUCTURES SHALL BE INSTALLED SO THAT RIM MAY BE ADJUSTED ±0.5 FEET TO MATCH FINISHED GRADE.

STORM WATER NOTES:

1. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT THE INFILTRATION CAPACITY OF STORMWATER FACILITIES (E.G. LINE THE FACILITY WITH FILTER FABRIC, OVER-EXCAVATE UPON COMPLETION OF THE INFRASTRUCTURE, ETC.).

2. STORM DRAINAGE PIPING SHALL BE (UNLESS OTHERWISE NOTED) PVC ASTM D 3034, SDR 35, OR ASTM F 789 WITH PUSH-ON JOINTS AND RUBBER GASKETS CONFORMING TO ASTM D 3212 AND ASTM F 477. PROVIDE TRENCHING AND BEDDING PER ITD STANDARDS.

UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE WITH NORTHERN LIGHTS INC. FOR POWER SERVICE.

2. CONTRACTOR SHALL PLACE MARKING TAPE IN THE EXCAVATION TRENCH AT MID-DEPTH LOCATION FOR ALL UNDERGROUND SIDE SERVICE INSTALLATIONS FOR THE PURPOSE OF ALERTING ANY FUTURE EXCAVATION IN THE SPECIFIC AREA.

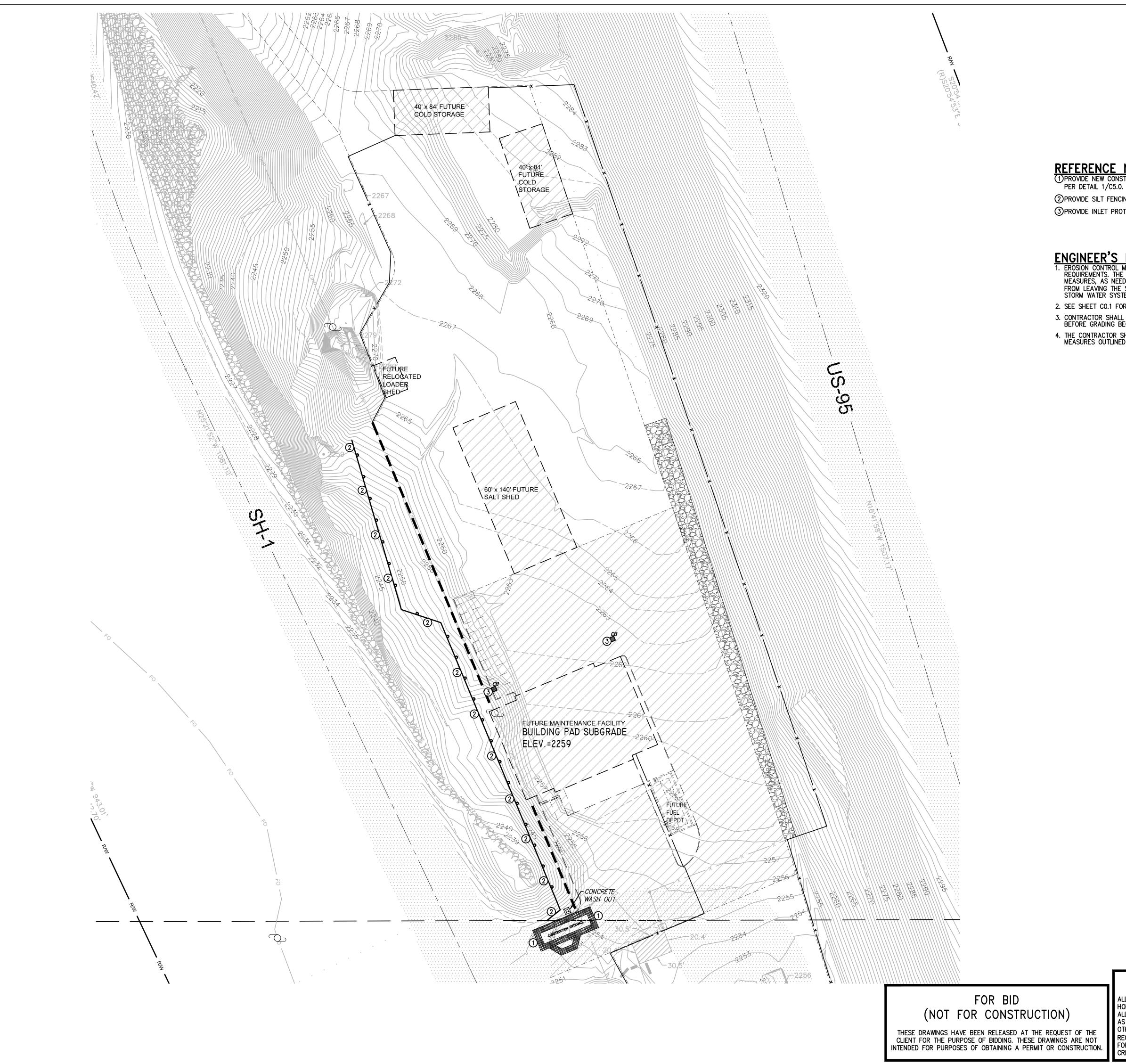
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CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.





REFERENCE NOTES:

1) PROVIDE NEW CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT PER DETAIL 1/C5.0.

2) PROVIDE SILT FENCING PER DETAIL 2/C5.0.

③PROVIDE INLET PROTECTION PER 3/C5.0.

- ENGINEER'S NOTES:

 1. EROSION CONTROL MEASURES SHOWN ON THE PLAN ARE MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES, AS NEEDED, TO PREVENT SEDIMENT—LADEN RUN—OFF FROM LEAVING THE SITE OR COMPROMISING THE PROPOSED/EXISTING STORM WATER SYSTEM.
- 2. SEE SHEET CO.1 FOR ADDITIONAL ESC NOTES.
- 3. CONTRACTOR SHALL CONSTRUCT EROSION CONTROL FACILITIES BEFORE GRADING BEGINS.
- 4. THE CONTRACTOR SHALL UTILIZE PROPOSED DUST CONTROL MEASURES OUTLINED IN THE PLANS AND SPECIFICATIONS.

GRAPHIC SCALE

(IN FEET) 1 inch = 40 ft.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER

811 CALL TWO BUSINESS DAYS BEFORE YOU DIG ITD COPELAND SITE NWC OF HWY 95 AND F BOUNDARY COUNTY, II

CONTRACTOR NOTE

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REFERENCE NOTES:

- (1)PROVIDE NEW TYPE III CATCH BASIN WITH GRATED LID PER ISPWC STANDARDS. SEE DETAIL 4/C5.0.
- 2 PROVIDE NEW 8" SDR35 PVC STORM DRAINAGE PIPE. SLOPE AND LENGTH PER PLAN.
- 3) PROVIDE NEW RIP-RAP PAD AT PIPE DAYLIGHT LOCATION.
- 4) PROVIDE NEW SEPTIC TANK PER DETAIL 5/C5.0.
- (5) PROVIDE NEW DISTRIBUTION BOX PER DETAIL 6/C5.0.
- 6 PROVIDE NEW DRAIN FIELD PER DETAIL 7/C5.0.
- 7) PROVIDE NEW CLEANOUT TO GRADE PER DETAIL 8/C5.0.
- 8) PROVIDE NEW 6" SDR35 PVC SEPTIC PIPE. SLOPE AND LENGTH PER PLAN. PROVIDE MOUNDING OVER PIPE AS REQUIRED BELOW RETAINING WALL TO MAINTAIN 12" MIN. COVER.
- (9) PROVIDE SEPTIC DRAINFIELD RESERVE AREA.
- 10 PROVIDE NEW RETAINING WALL, VERTI-BLOCK OR APPROVED EQUAL.
- 1) PLACE 6" SDR35 PVC PERF. PIPE IN BOTTOM OF EXISTING DITCH. PLACE 1"-3" WASHED DRAIN ROCK TO TOP OF EXISTING DITCH, LEVEL WITH ADJACENT DRIVING SURFACE.

- ENGINEER'S NOTES:

 1. ALL DRAINAGE AND UTILITY STRUCTURES SHALL BE INSTALLED SO THAT RIM ELEVATIONS CAN BE ADJUSTED ±0.5 FEET TO MATCH FINISHED GRADE.
- 2. SEE SHEET CO.1 FOR ADDITIONAL SITE NOTES.
- 3. FINISHED SURFACE ELEVATIONS (HARDSCAPE AND LANDSCAPING) SHALL BE SLOPED AWAY FROM THE BUILDING FOR A MINIMUM OF 5 FEET.
- 4. CONTRACTOR IS RESPONSIBLE FOR GEOTECHNICAL DESIGN OF RETAINING WALL, AND SHALL INCLUDE THE COST OF SUCH DESIGN IN BID.
- 5. DASHED LINE INDICATES FUTURE IMPROVEMENTS.



(IN FEET) 1 inch = 40 ft.

UNDERGROUND SERVICE ALERT ONE-CALL NUMBER

811 CALL TWO BUSINESS DAYS BEFORE YOU DIG 20

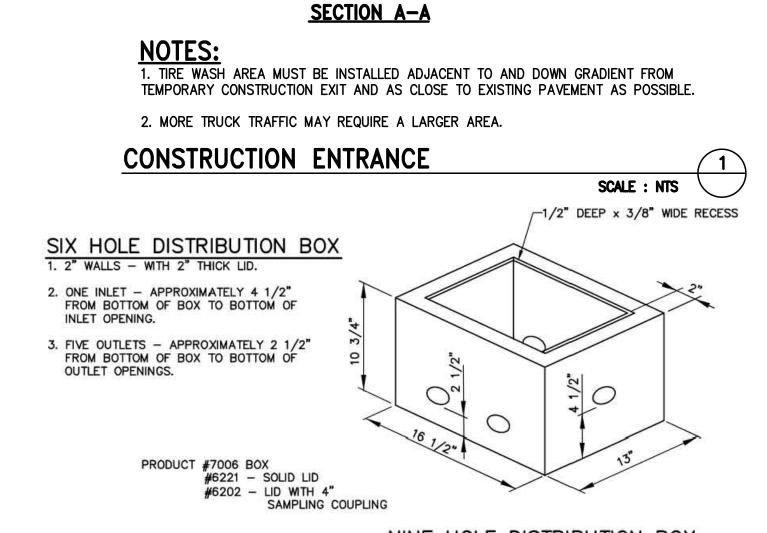
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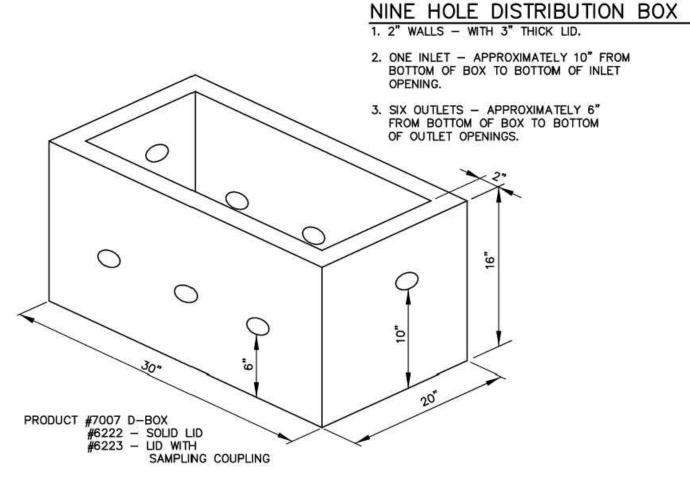
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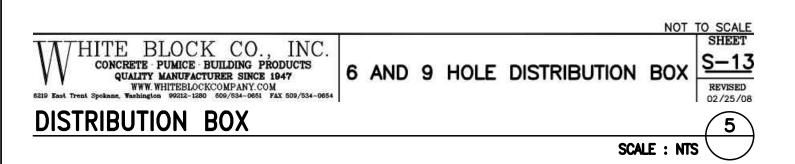
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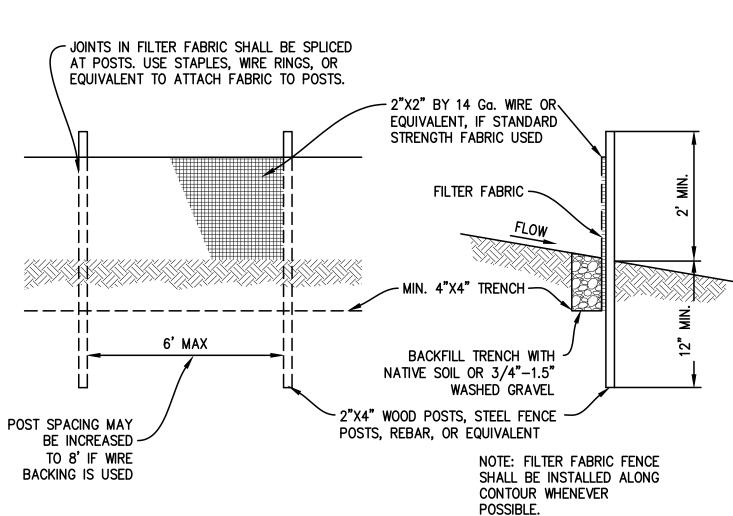
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10' MIN 24' **TEMPORARY** CONSTRUCTION (EXIT MINIMUM BERM HEIGHT SHALL BE 6 -IN. GREATER THAN HEIGHT OF PAD. TIRE WASH 1 FT DEPTH OF 4 IN. TO 8 — IN. CLEAN QUARRY SPALLS FREE OF FINES. MINIMUM BOTTOM DIMENSIONS = 5 FT. X 3 FT.SLOPE TO DRAIN CONCRETE **EXISTING PAVEMENT**









MAINTENANCE STANDARDS:

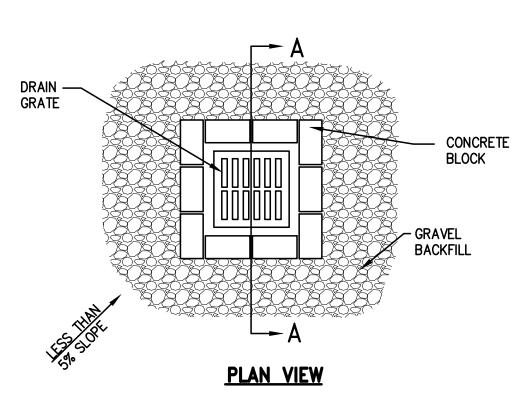
2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.

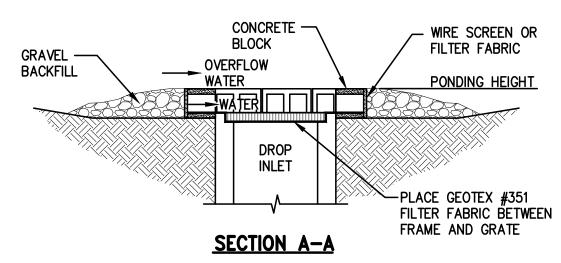
3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGN OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE AND/OR REMOVE THE TRAPPED SEDIMENT.

4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6" HIGH.

5. IF THE FILTER FABRIC HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.







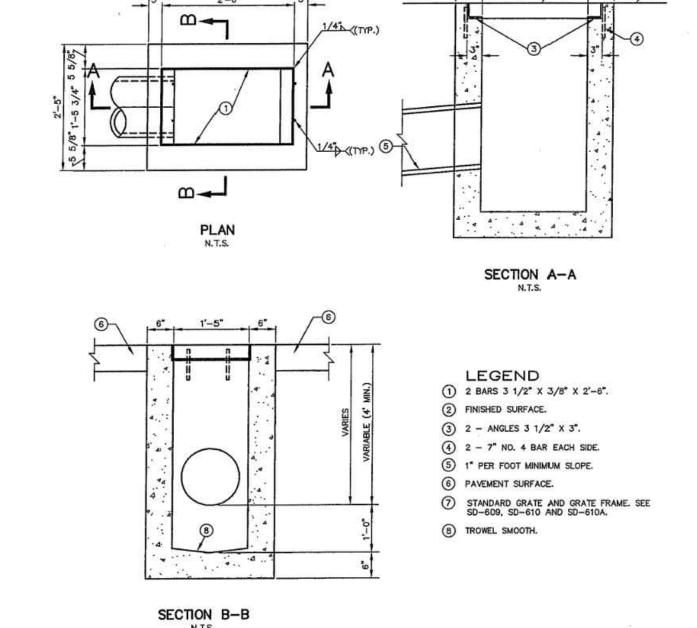
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)

2. EXCAVATE A BASIN OF SUFFICIENT SIZE ADJACENT TO THE DROP INLET. 3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A

TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE

INLET PROTECTION DETAIL

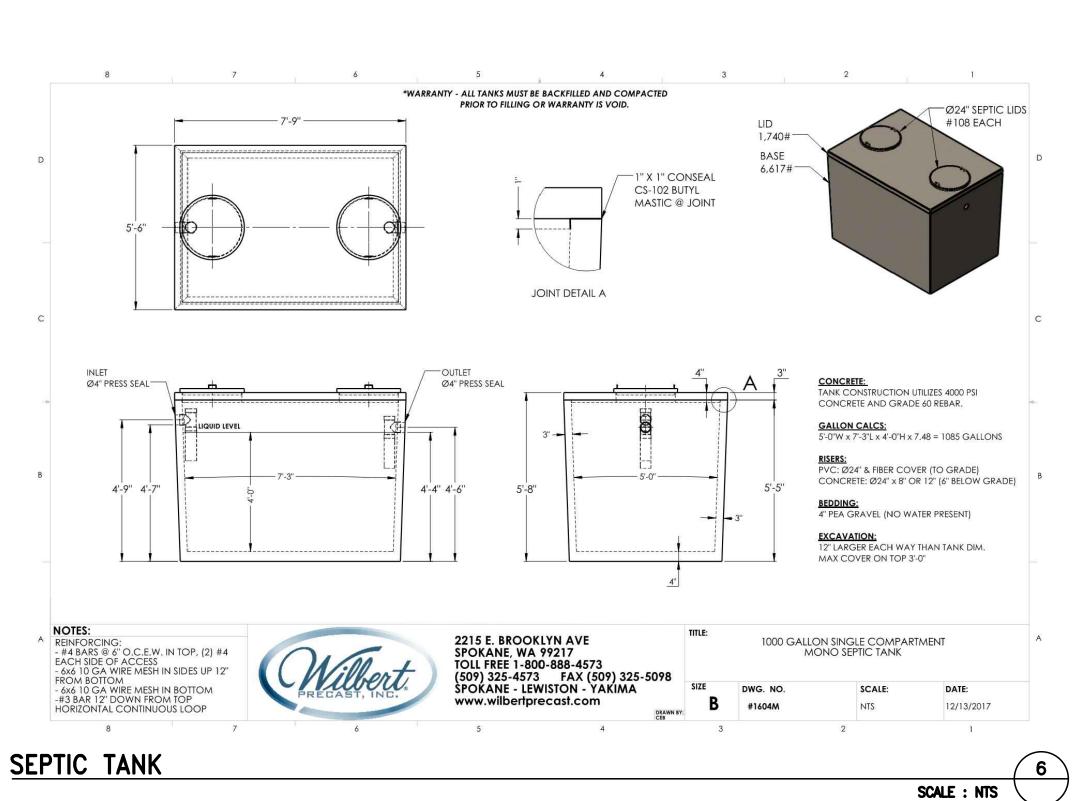
SCALE : NTS

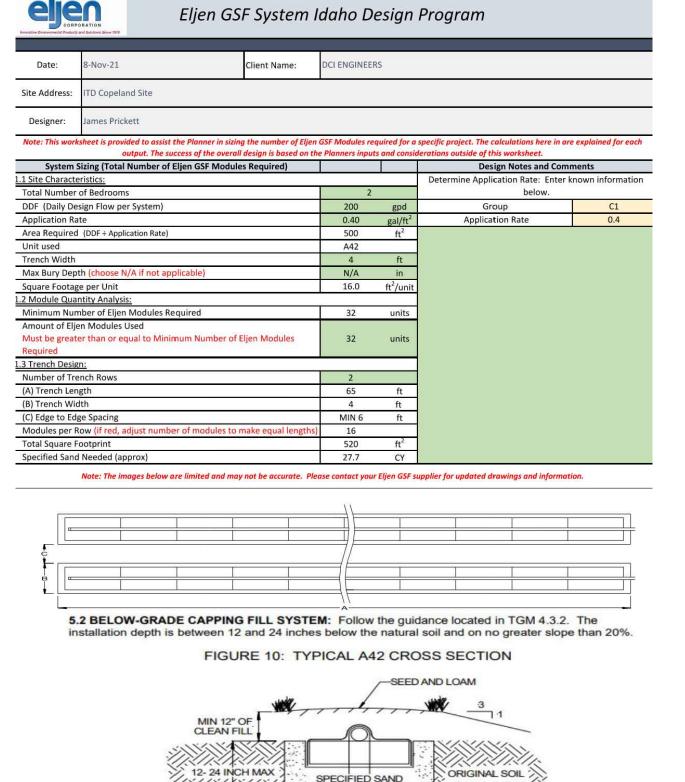




CATCH BASIN







FOR BID

(NOT FOR CONSTRUCTION)

THESE DRAWINGS HAVE BEEN RELEASED AT THE REQUEST OF THE

CLIENT FOR THE PURPOSE OF BIDDING. THESE DRAWINGS ARE NOT

INTENDED FOR PURPOSES OF OBTAINING A PERMIT OR CONSTRUCTION



TYPICAL CLEANOUT

FINISH .

SURFACE

CONCRETE-

WATERTIGHT-

PAD

FIBER JOINT PACKING

CONTRACTOR NOTE

PIPE

HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS

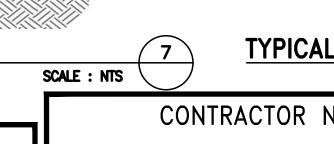


CAST IRON CLEANOUT

6" SEWER PIPE LENGTH TO FIT

BOX AND COVER

SQUARE



ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED CRITICAL TO CONSTRUCTION.